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INFORMATION DISCLOSURE STATEMENT BY APPLICANT Form PTO/SB/08a

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	Complete if Known
Application Number	10/687,643
Filing Date	October 20, 2003
First Named Inventor	Tetsuya MINO
Art Unit	3729
Examiner Name	Kim, Paul D
Attorney Docket Number	100186-00020

U.S. PATENT DOCUMENTS									
Examiner Initials*	Cite No.1	Document Number	Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear			
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	FOREIGN PATENT DOCUMENTS										
Examiner Initials*	Cite No.1	Foreign Patent Document	Country Code <sup>3</sup>	Number <sup>t</sup> Kind Code <sup>s</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>			
DK		08-287415	JAPAN		11-01-1996	Hitachi Metals Ltd.					
Ina		10-143817	JAPAN		05-29-1998	Alps Electrical Co., Ltd.					
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Examiner Signature Date Considered 3/14/06

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